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2 ABSTRACT OF THE DISCLOSURE  
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5 The present invention relates to a miniature connector with on-board  
6 electronics for a thermocouple, characterized in that it incorporates:

7 - two connection means (20, 21) for connecting a thermocouple (1) to a  
8 printed circuit (4) connecting the elements of the on-board electronics;

9 - three connection posts (230, 231, 232) from the printed circuits (4) to a  
10 connector supply and signal transfer cable (3) formed by the on-board electronics:

11 - means (24) for measuring the ambient temperature in the connector  
12 disposed between the two connection means (20, 21) of the thermocouple;

13 - means (25, 26, 27, 29) for amplifying the signal supplied by the  
14 thermocouple (1) and scaling of the signal supplied by the ambient temperature  
15 measurement means (24), these means (25, 26, 27, 29) also performing the  
16 summation of these two signals as well as the linearization of the signal resulting  
17 from this summation.